

ARG83432 myo-Inositol Assay Kit

Package: 96 wells
Store at: 4°C, -20°C

Summary

Product Description	ARG83432 myo-Inositol Assay Kit can be used to measure myo-inositol in urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids.
Tested Reactivity	Other
Tested Application	FuncSt
Target Name	myo-Inositol
Conjugation Note	Read at 492 nm
Sensitivity	0.1 µmol/ml
Sample Type	Urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids.
Standard Range	0.2 µmol/ml - 20 µmol/ml
Sample Volume	10 µl

Application Instructions

Assay Time	30 min
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Properties

Form	96 well
Storage instruction	Store the kit at 4°C, -20°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	myo-Inositol plays an important role as the structural basis for a number of secondary messengers in eukaryotic cells, the various inositol phosphates. In addition, inositol serves as an important component of the structural lipids phosphatidylinositol (PI) and its various phosphates, the phosphatidylinositol phosphate (PIP) lipids.
Function	myo-Inositol is a carbocyclic sugar that is abundant in the brain and other mammalian tissues; it mediates cell signal transduction in response to a variety of hormones, neurotransmitters, and growth factors and participates in osmoregulation.